



# FEMA



Prepared by:  
*Kurt Van Speybroeck / Tim Oram*

# FEMA Region 6 Weather Threat Briefing

Monday, April 2, 2018

**Disclaimer:** The purpose of this briefing is to provide a Regional weather threat assessment and is meant as a general overview.

County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh) and click on the "Weather Forecast Offices" tab and click on the map for your area.

## Today

- **Critical Fire Weather conditions across NM/W TX into the TX/OK Panhandles**

## Tuesday

- **A slight risk area for severe thunderstorms across E TX into LA/AR.**
- **Marginal risk area for excessive rainfall over SE TX into LA.**
- **Elevated/Critical Fire Weather conditions across E NM/W TX into TX/OK Panhandles.**

## Wednesday - Friday

- **No significant weather impacts**

## River Flood Status

- **Trinity River at Liberty, TX is reporting major flooding levels impacting some homes and roadways.**
- **Major flooding on the Sabine River is being reported from Bon Wier to Deweyville. Homes/roadways are likely flooded.**
- **Major flooding in SW LA on the Calcasieu River has crested with impacts to several roads**

# FEMA Region 6 Threat Matrix

April 2, 2018 – April 6, 2018



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DAY / THREAT	MON	TUE	WED	THU	FRI
Strong/Severe Storms		ETX LA/AR			
Heavy Rain / Flash Flooding		SE TX/LA			
Fire Weather	NM/WTX TX/OK Panhandles	E NM WTX/OK			
Winter					
River Flooding	SE TX/SW LA				
	E LA				

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\***

***For more details on the colors in the threat matrix refer to  
the last slide in this briefing.***

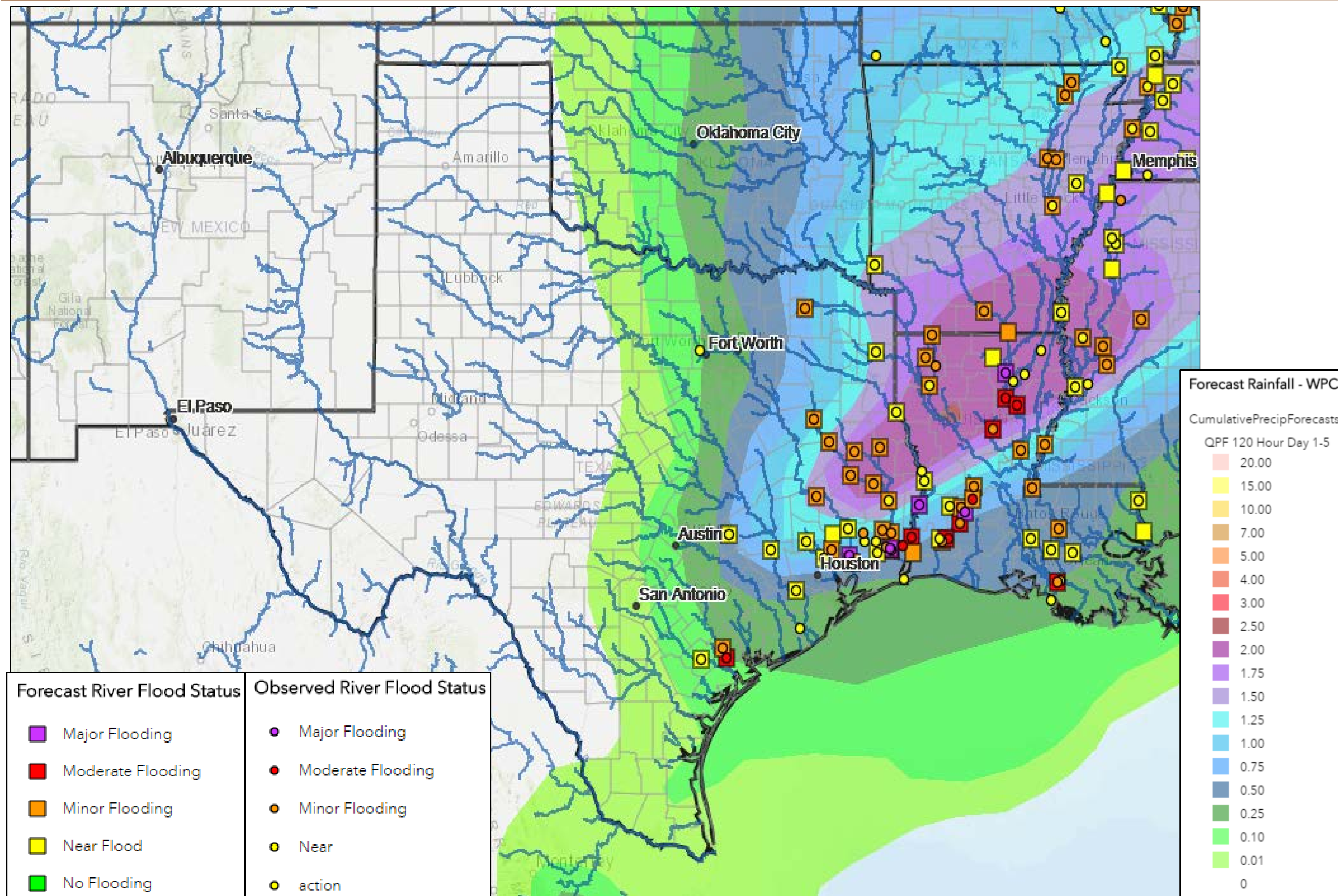


# 5-Day Precipitation Forecast & River Flood Status



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**Note:** Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



- **Trinity River at Liberty, TX is reporting major flooding with some homes and roadways flooded.**
- **Major flooding on the Sabine River is being reported from Bon Wier to Deweyville. Homes and roads are likely flooded.**
- **Moderate to major flooding in SW LA on the Calcasieu River, impacting several roads.**
- **Major flooding will continue this week for the Ouachita and Atchafalaya Rivers in E LA. Impacts to agricultural areas.**

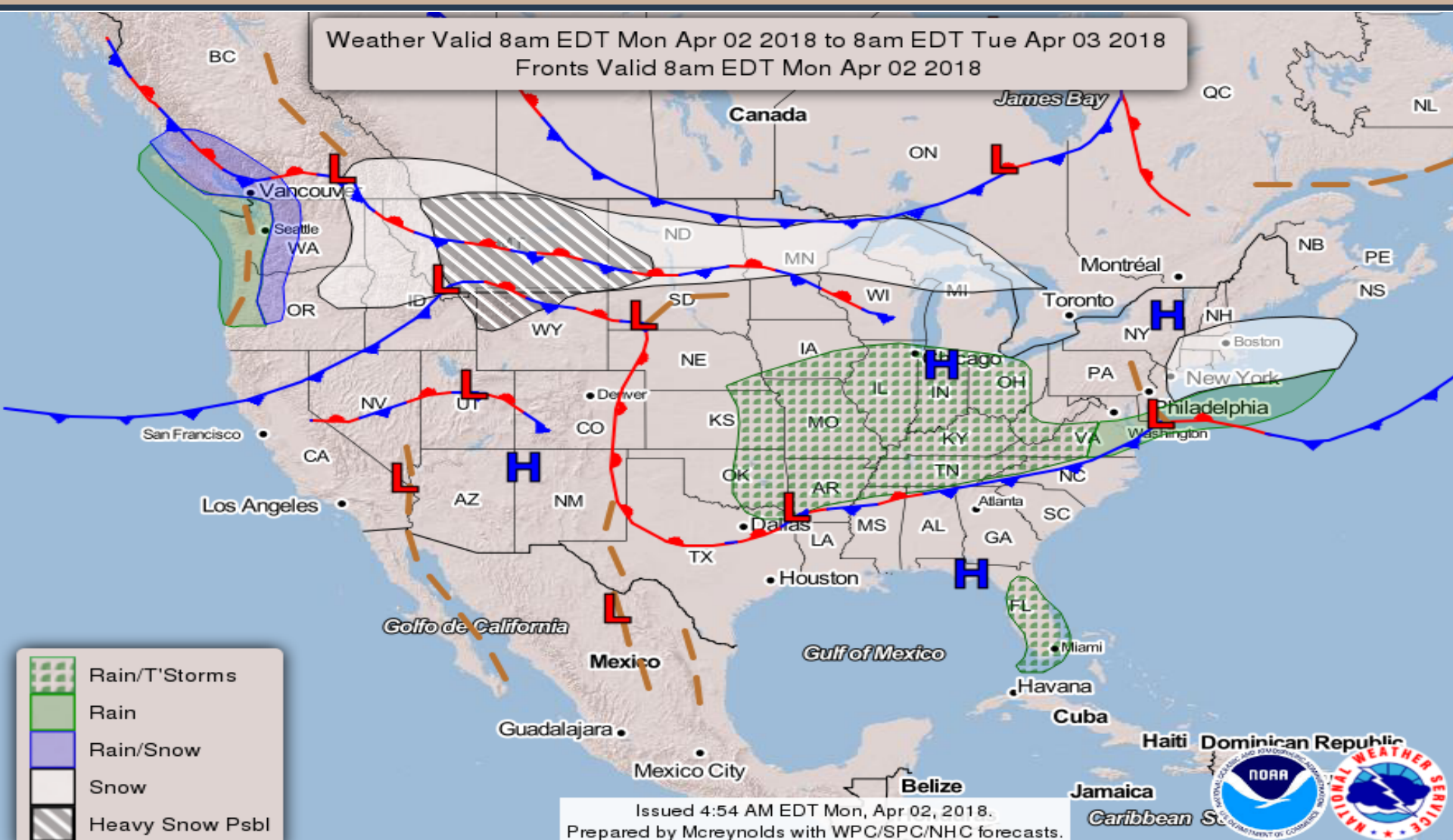


# Today's Weather

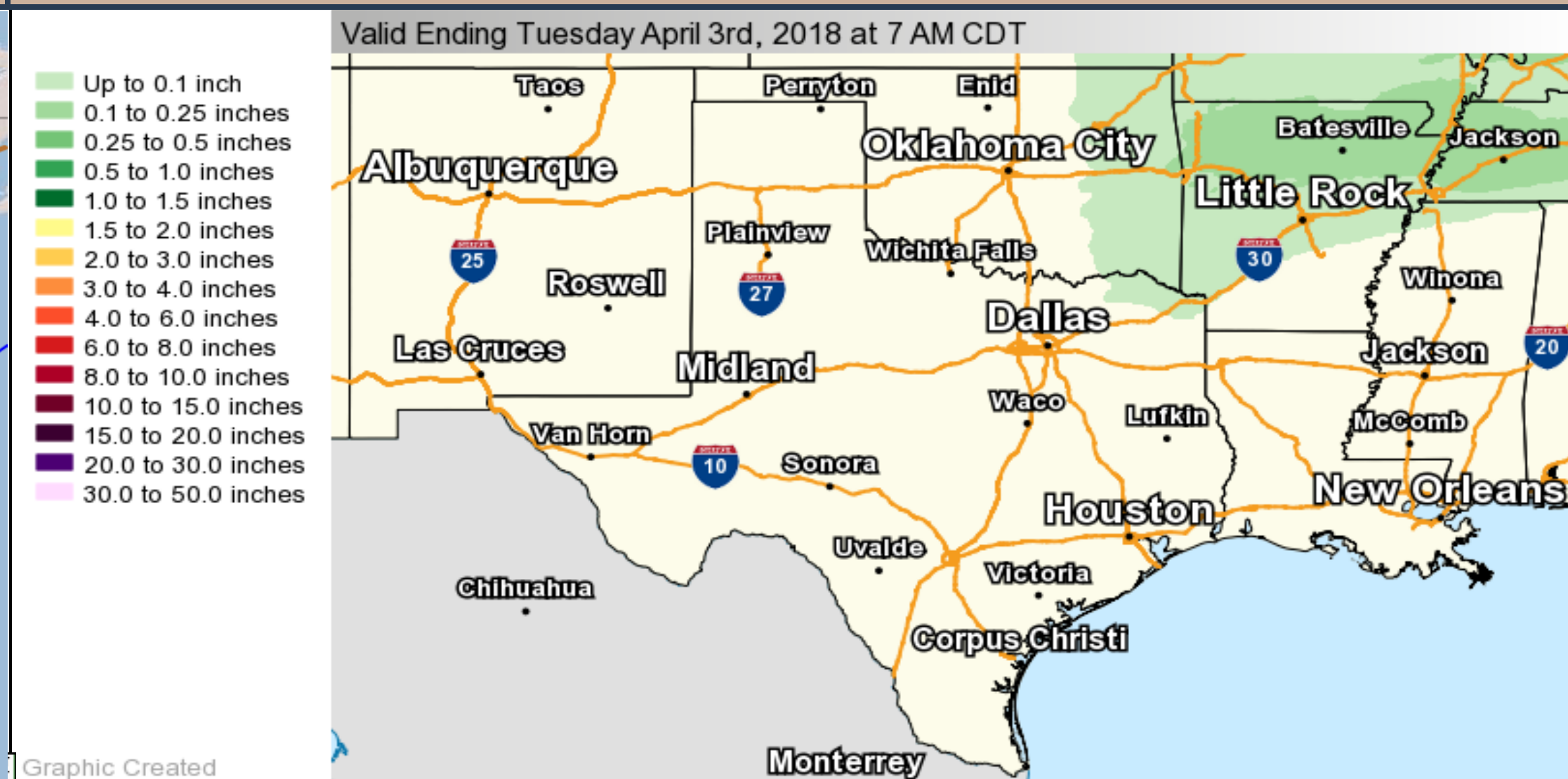


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## Forecast Chart

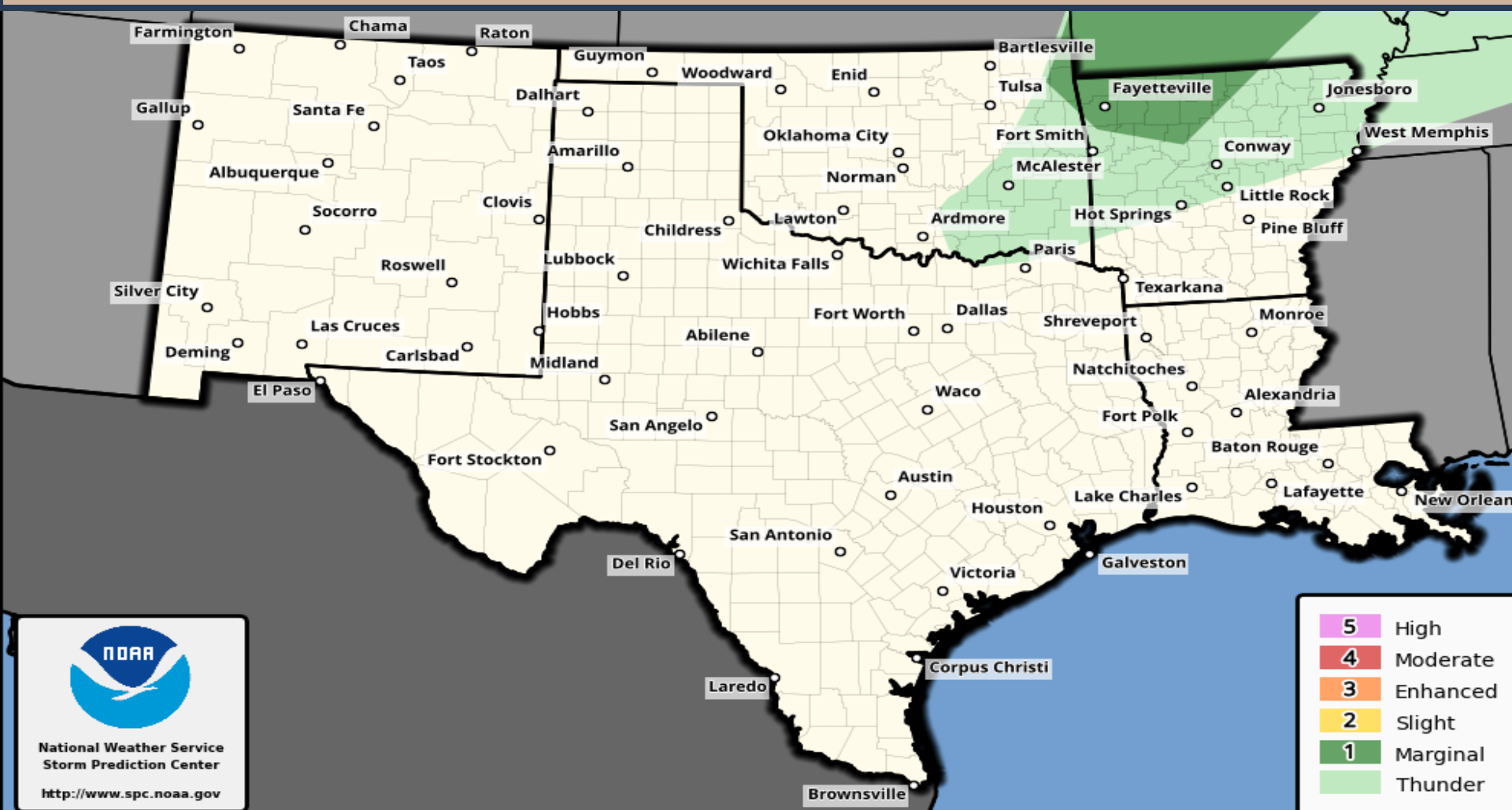


## Forecasted Rainfall



No Significant  
Weather Impacts.

## Severe Weather Outlook



## Excessive Rainfall Outlook



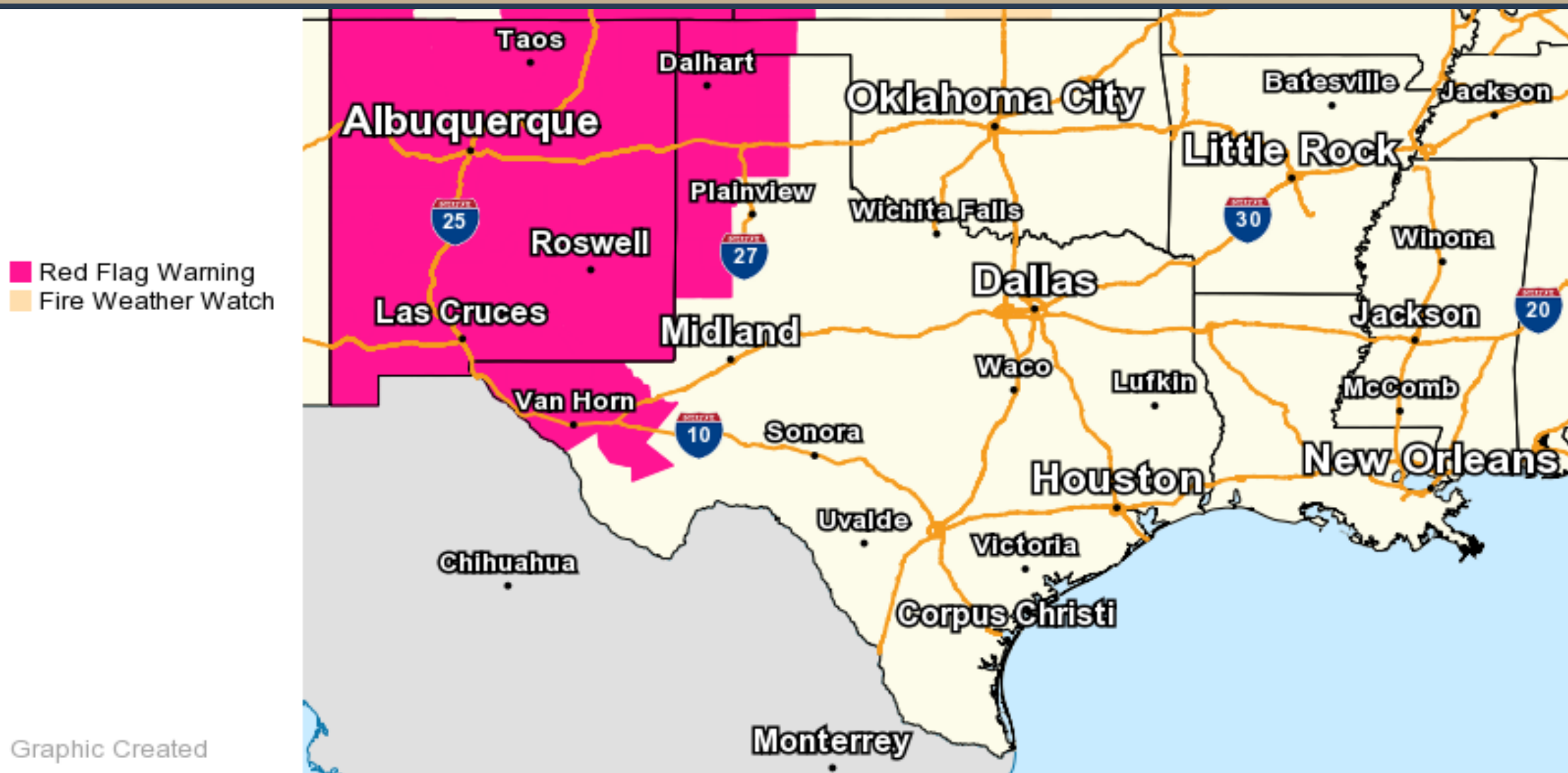


# Watches, Warnings, and Advisories



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## Fire Weather



## Severe Weather & Flooding

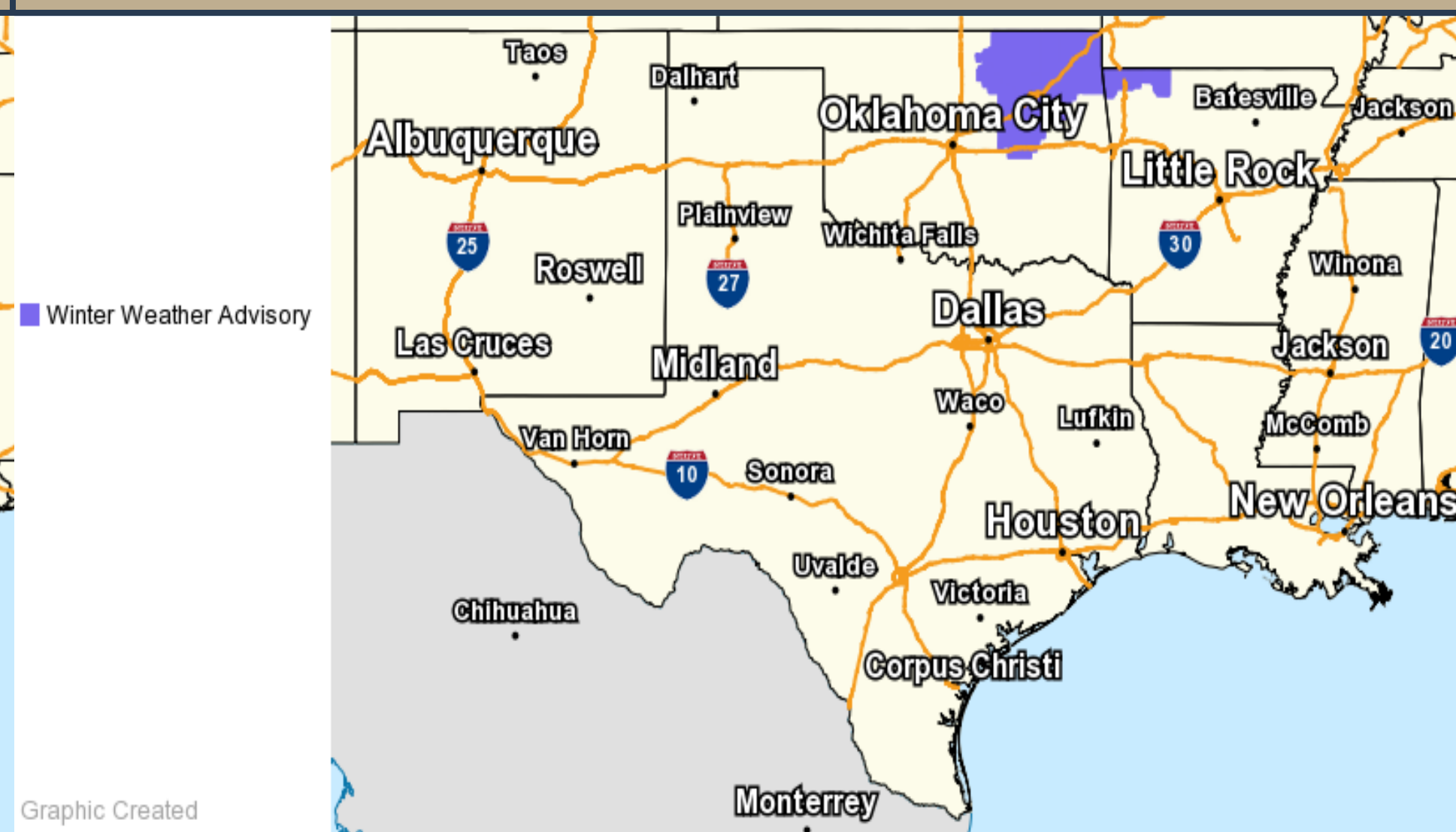


**Critical Fire Weather  
conditions today  
across NM and W TX**

## Strong & Gusty Winds



## Winter Weather



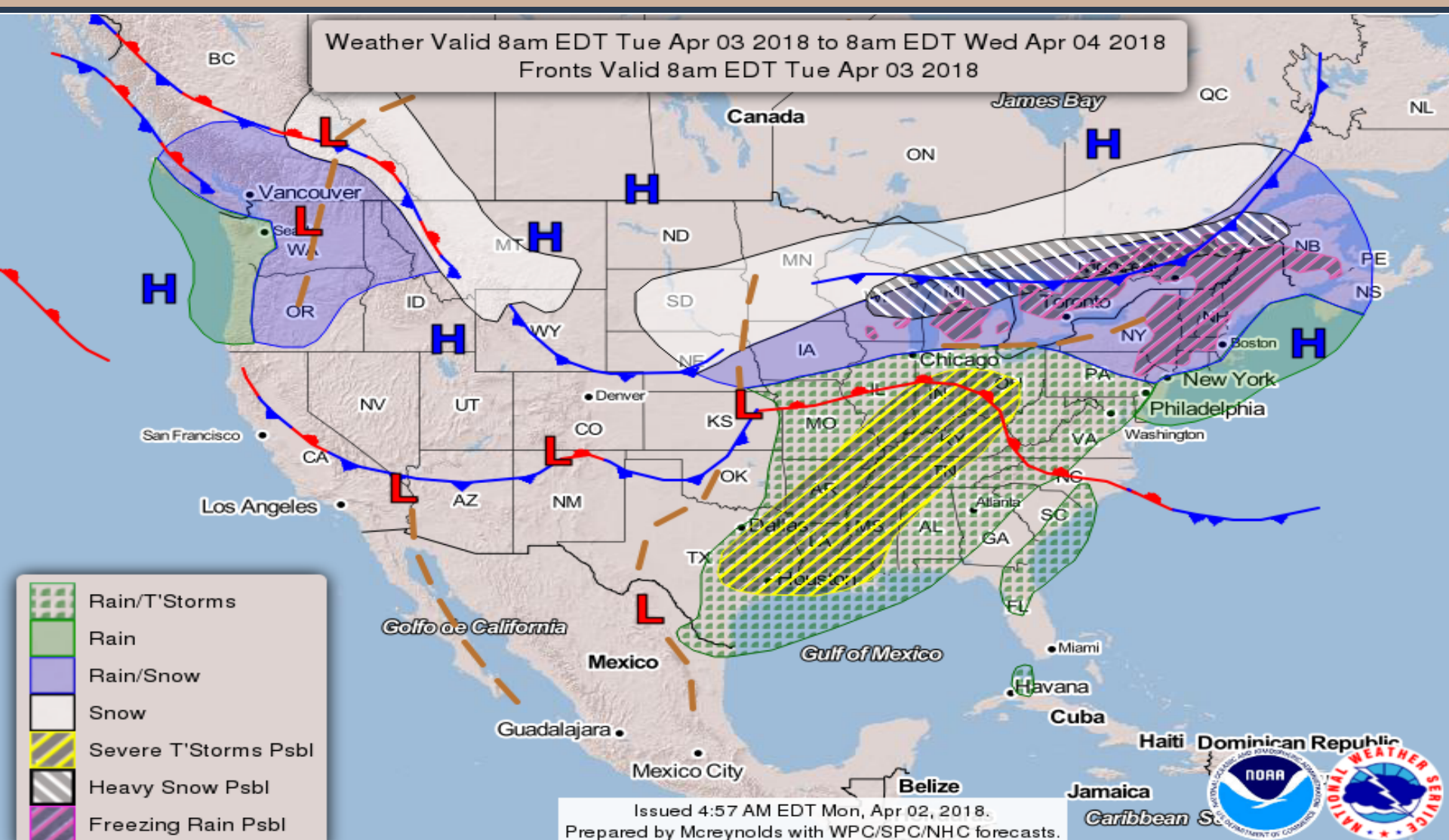


# Tomorrow's Weather

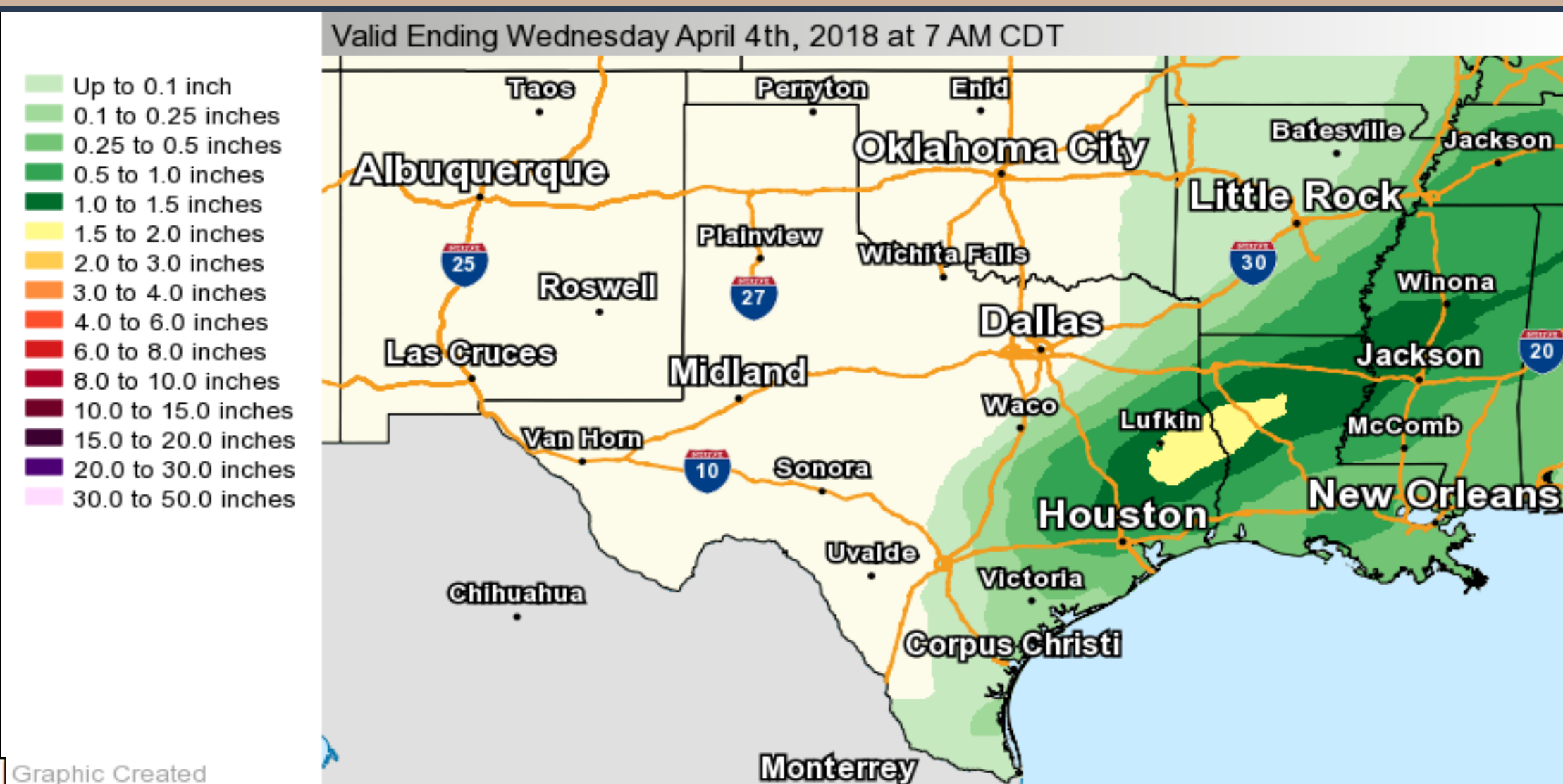


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## Forecast Chart



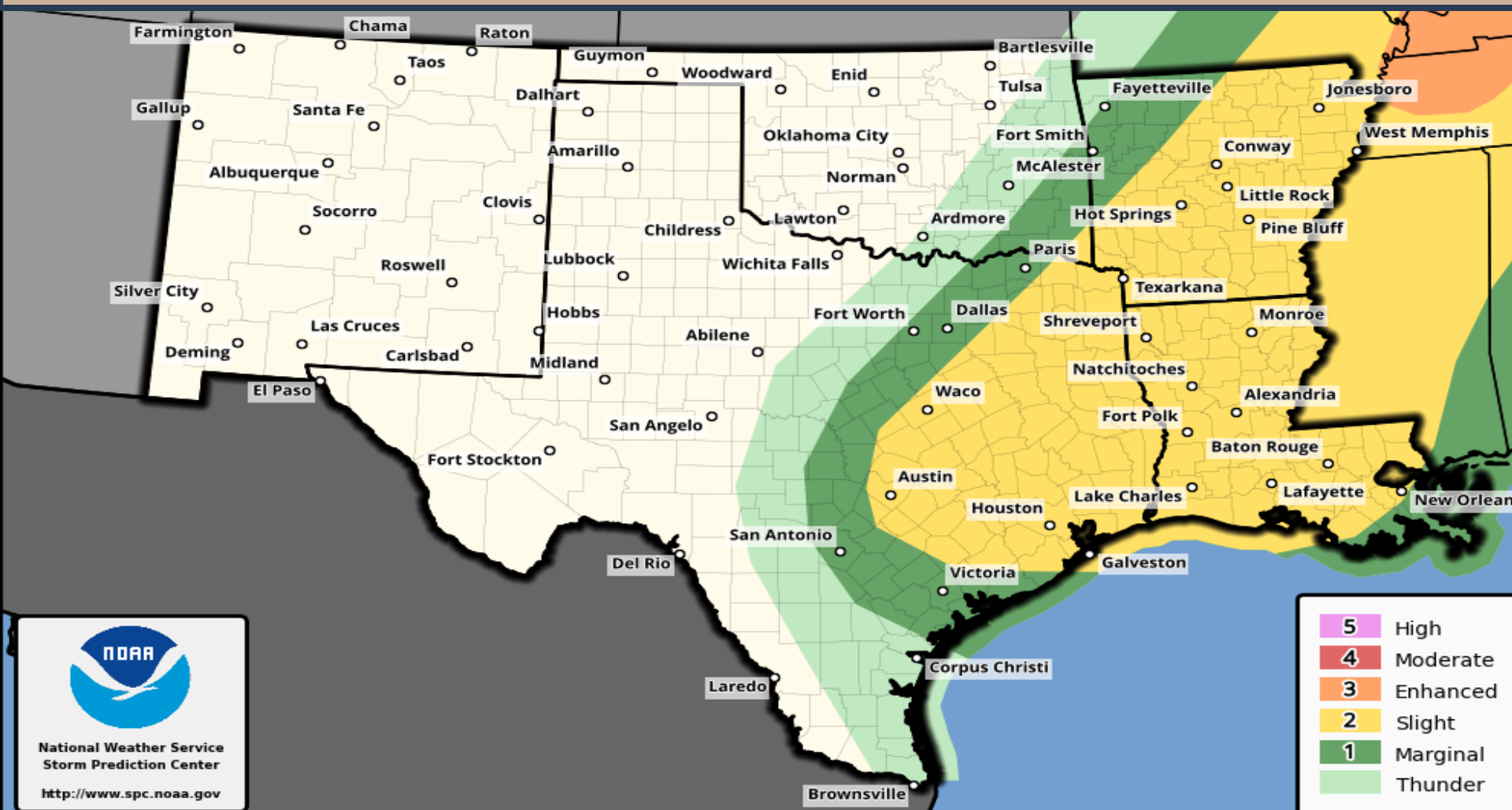
## Forecasted Rainfall



**Slight risk area for severe thunderstorms for ETX into LA/ AR.**

**Isolated heavy rain/flooding possible for ETX into LA.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



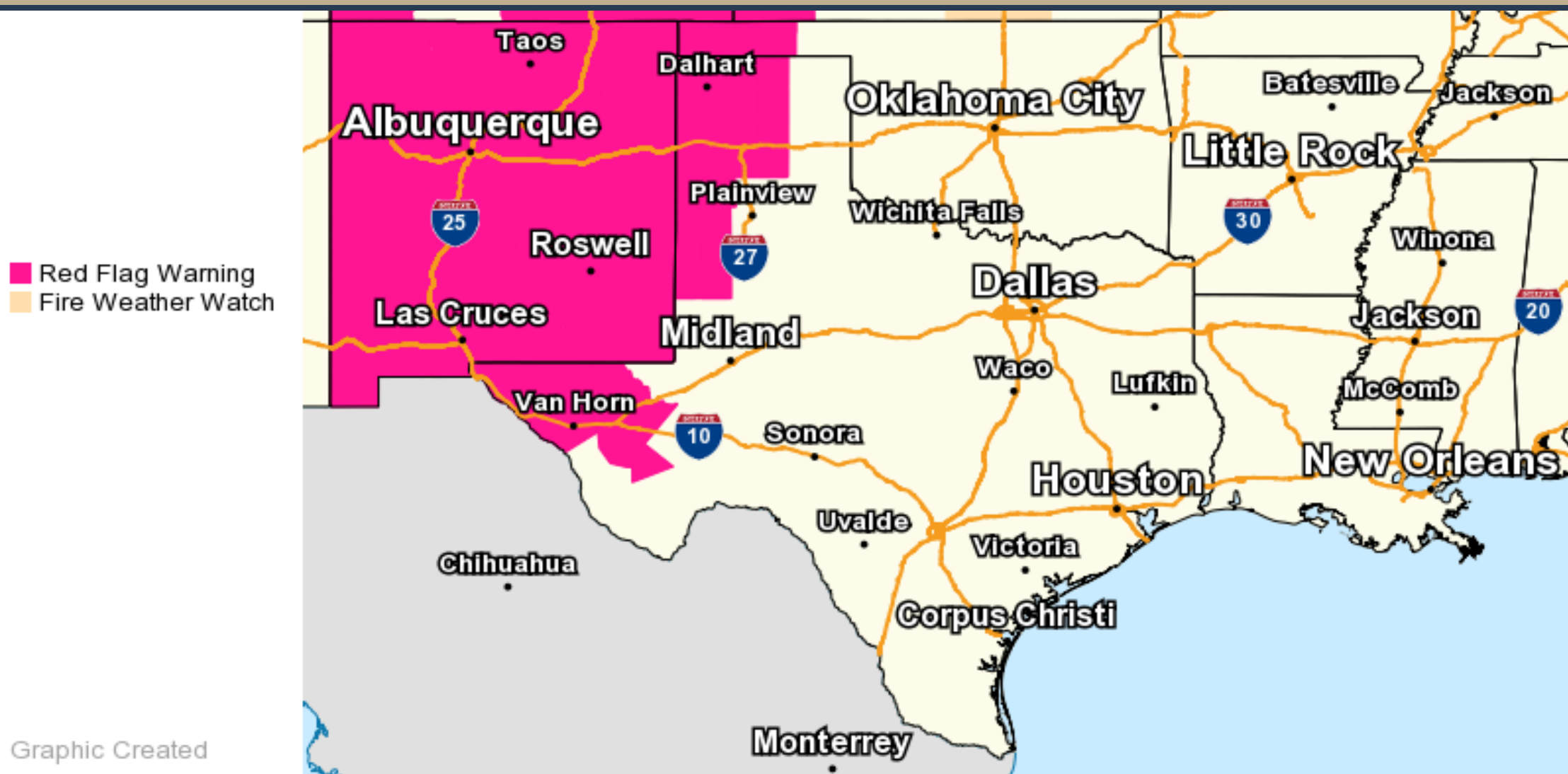


# Watches, Warnings, and Advisories



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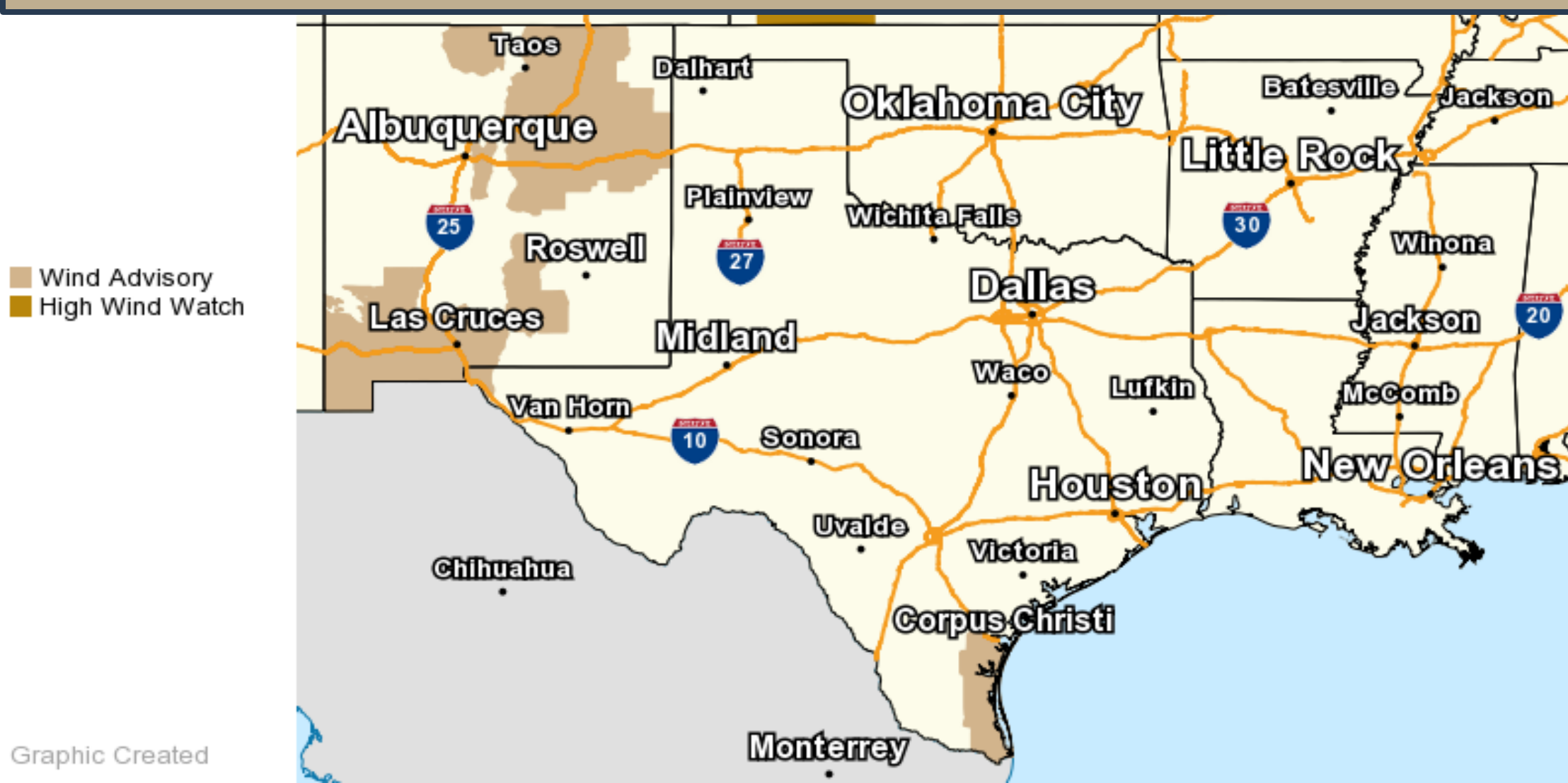
## Fire Weather



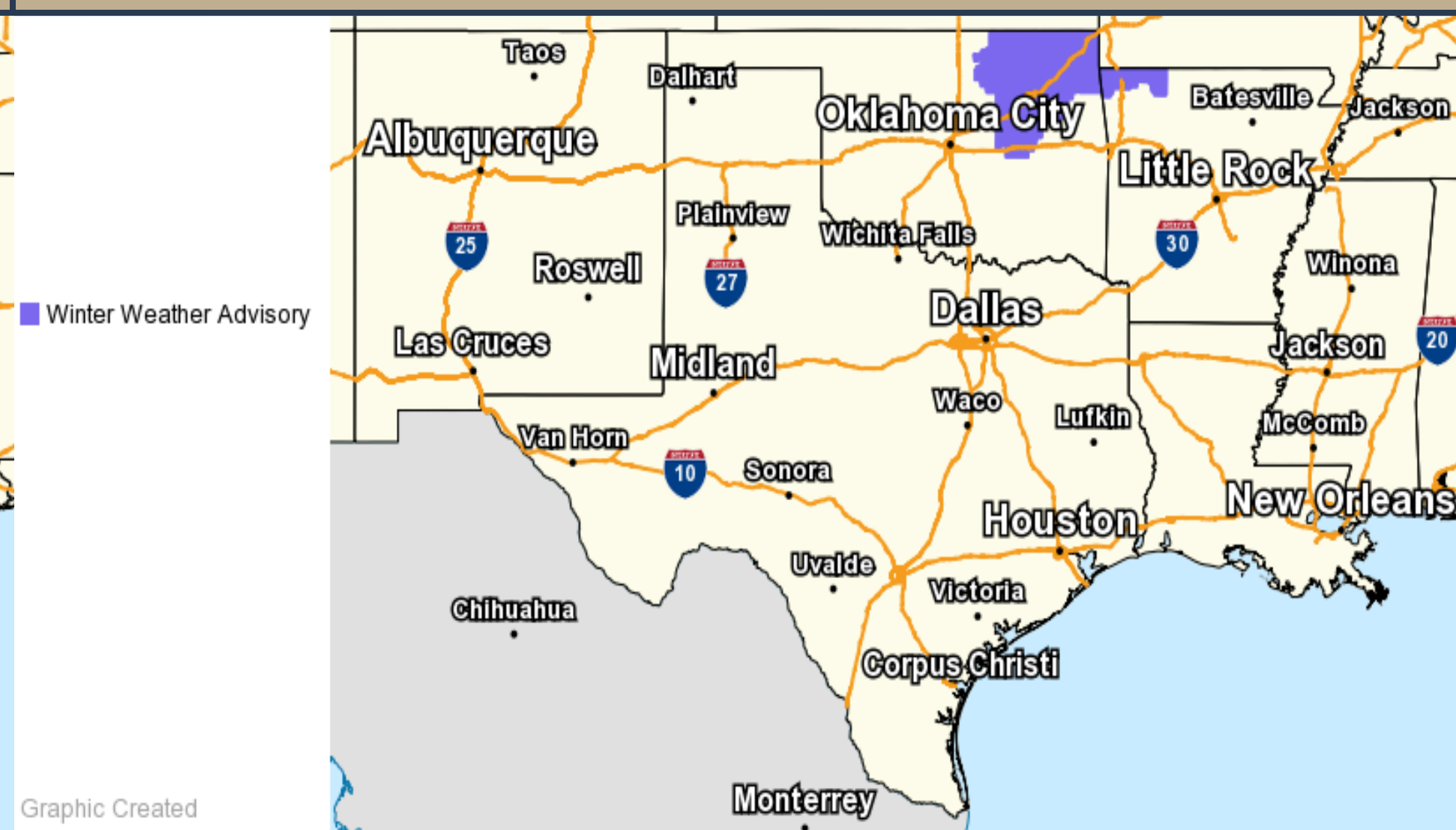
## Severe Weather & Flooding



## Strong & Gusty Winds



## Winter Weather



**Critical Fire Weather  
conditions across E  
NM/W TX into the  
TX/OK Panhandles**

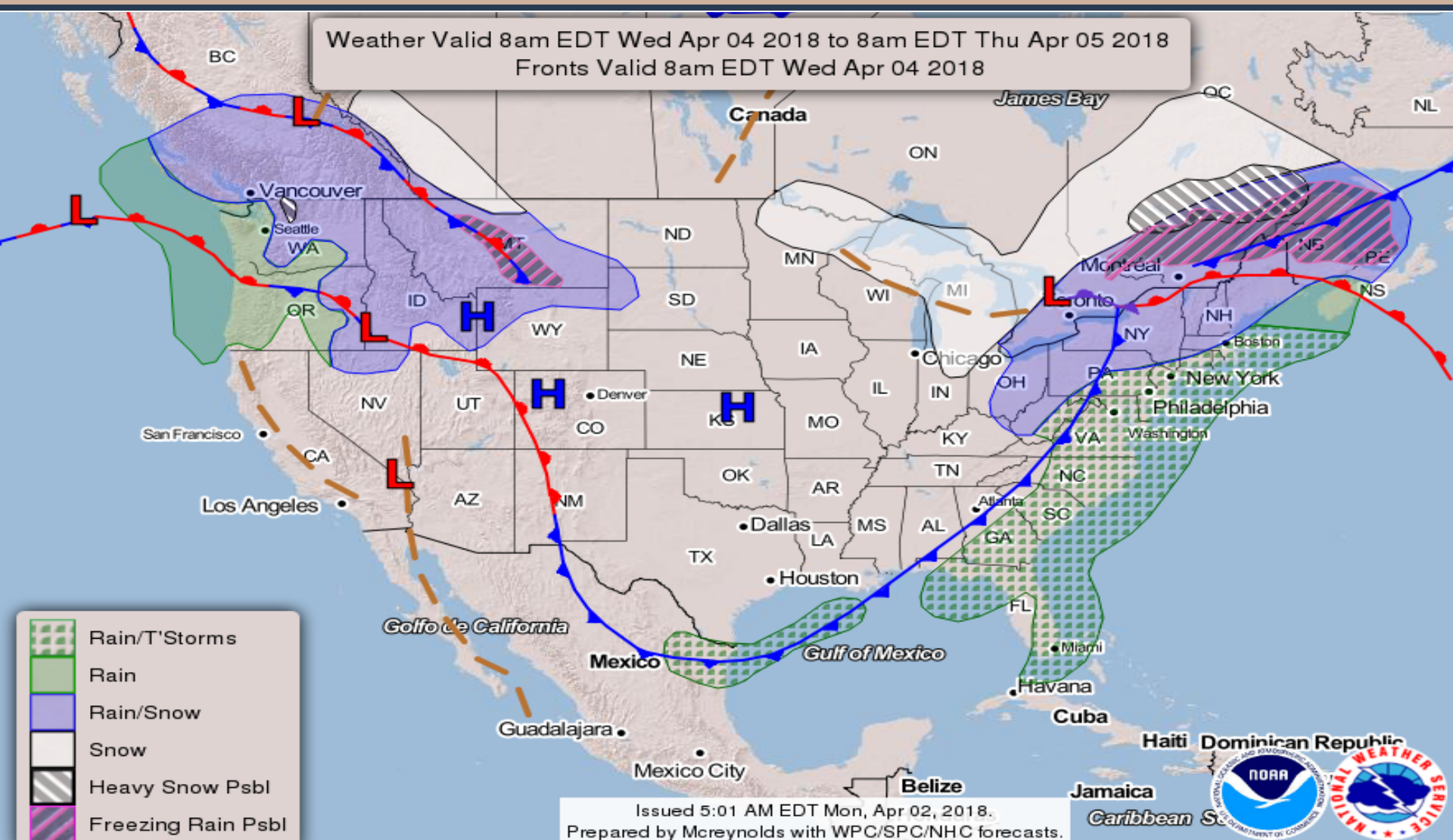


# Wednesday's Weather

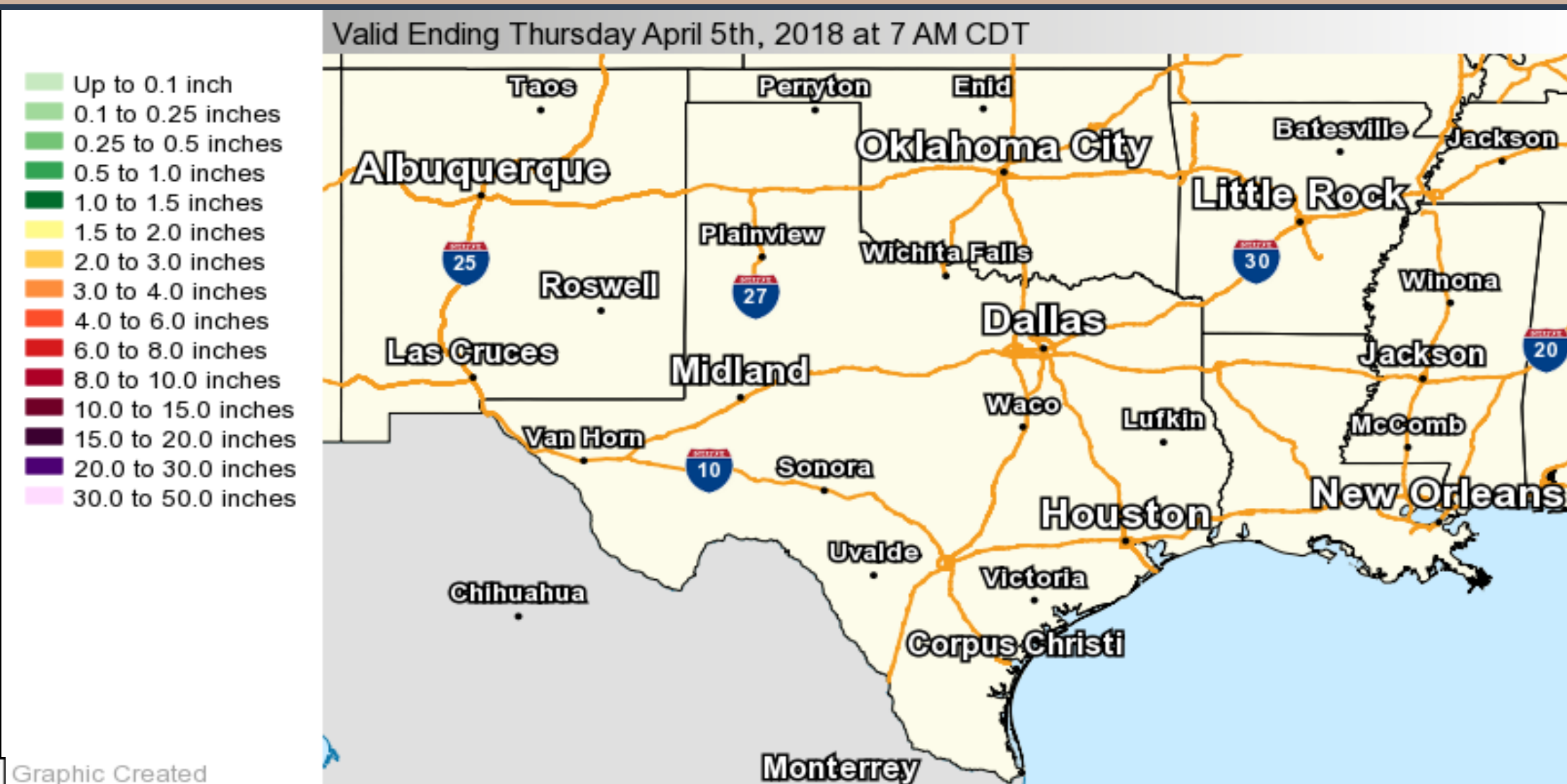


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## Forecast Chart

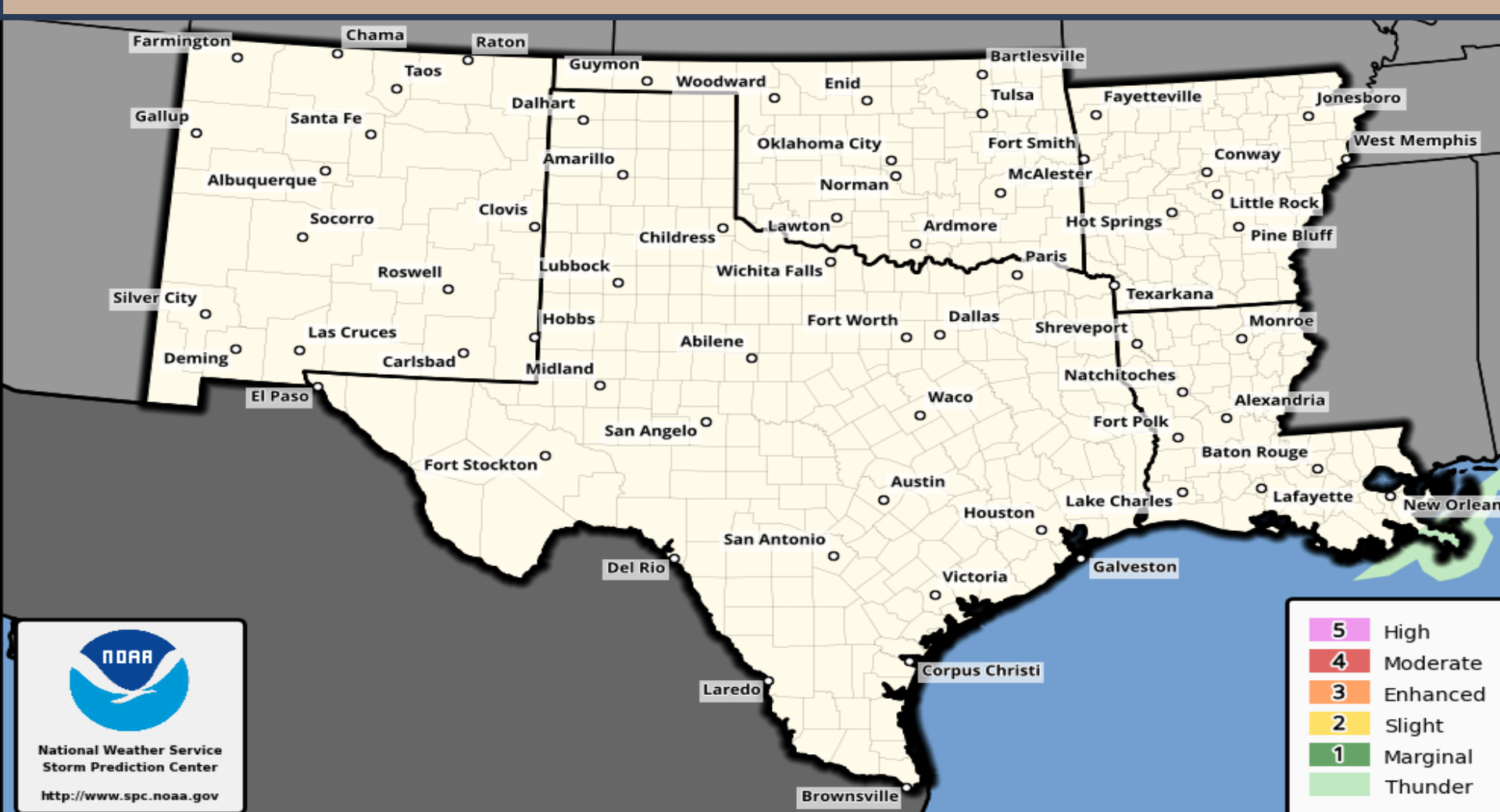


## Forecasted Rainfall



No significant  
weather impacts.

## Severe Weather Outlook



## Excessive Rainfall Outlook





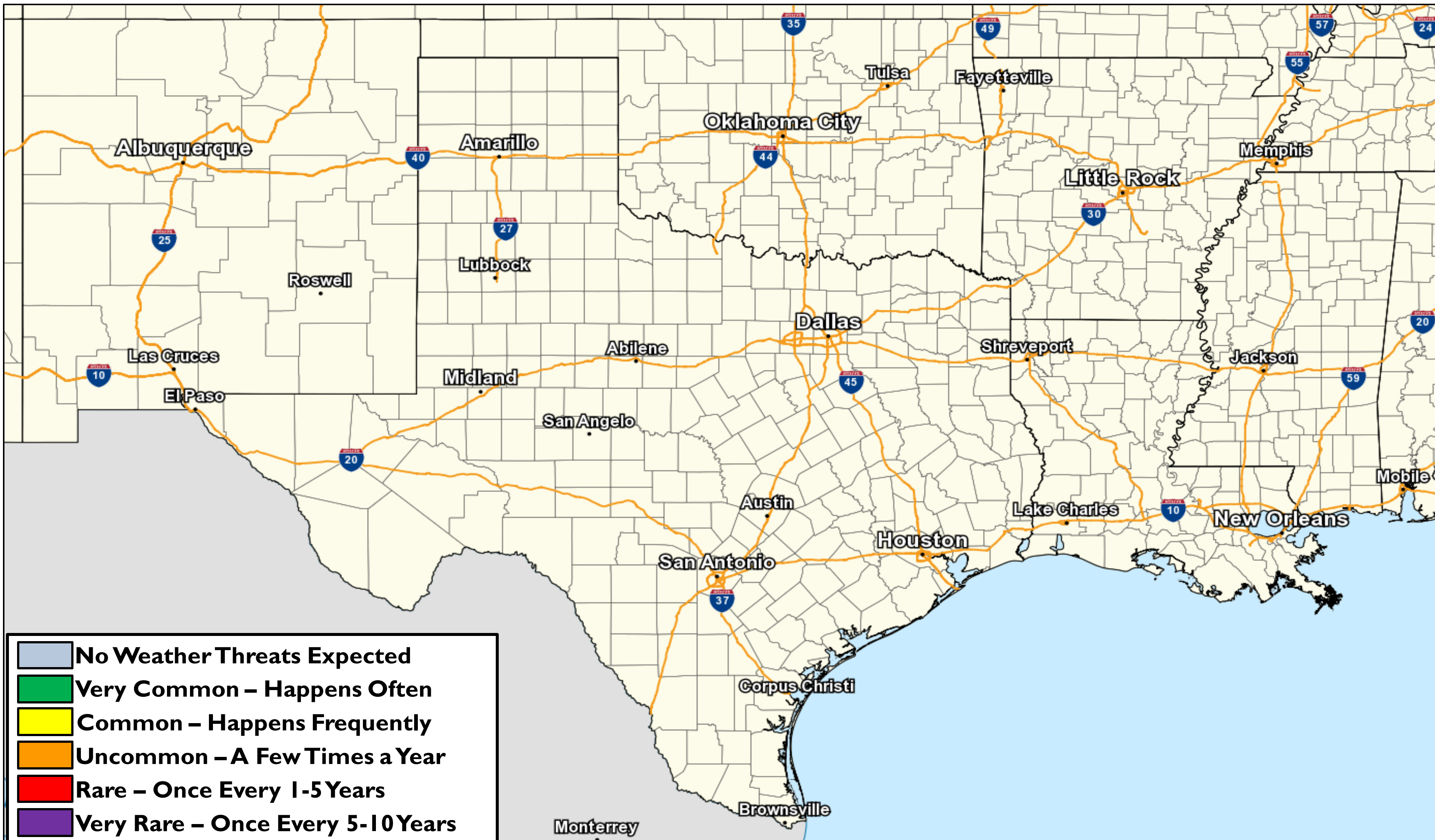
# Days 4-5 Weather Hazards

Thursday - Friday



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**No Significant  
Weather Impacts**



**\*Threat levels are based on  
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State or local threat level  
criteria may differ.\***

***For more details on the colors  
in the threat matrix refer to  
the last slide in this briefing.***

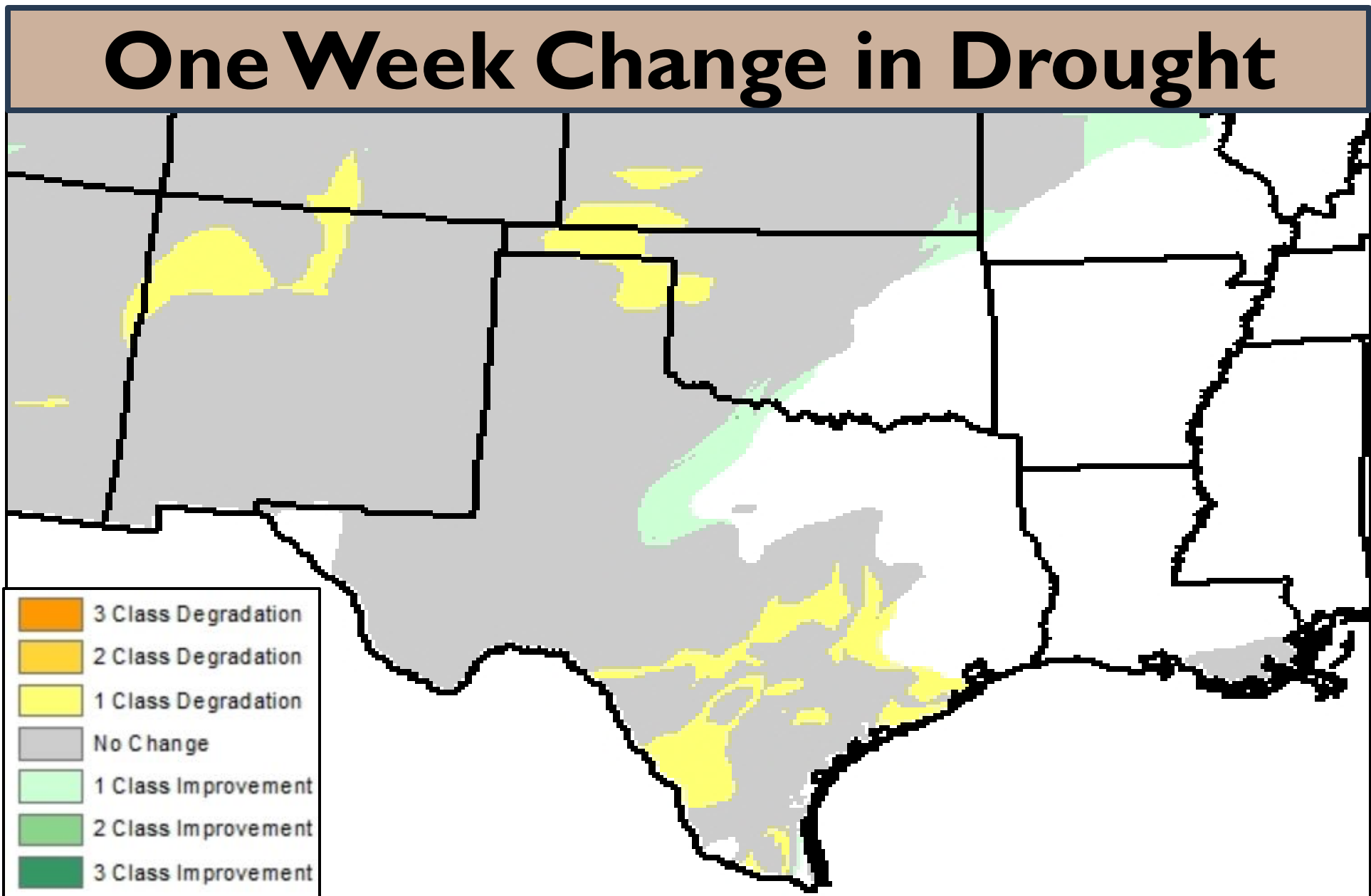
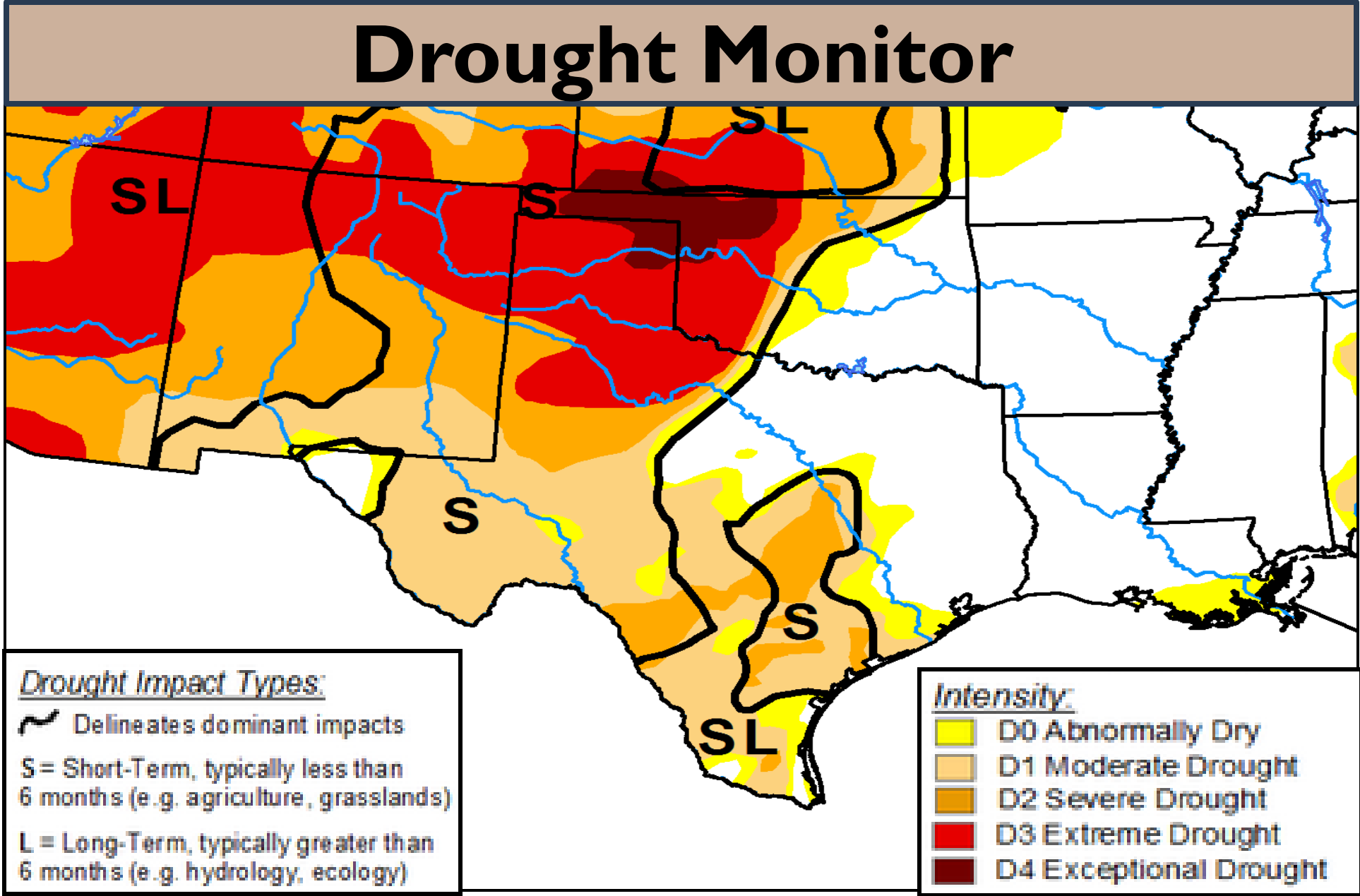


# Drought Monitor (Released Mar 29<sup>th</sup>, 2018)



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Data valid as of 7am CDT, Tuesday, March 27<sup>th</sup>, 2018



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)				
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	42.40%	2.00%
Louisiana	0.00%	0.00%	7.07%	0.00%
Oklahoma	34.93%	34.45%	3.12%	3.17%
Texas	14.19%	14.16%	0.76%	0.00%
New Mexico	25.50%	17.08%	0.00%	0.00%

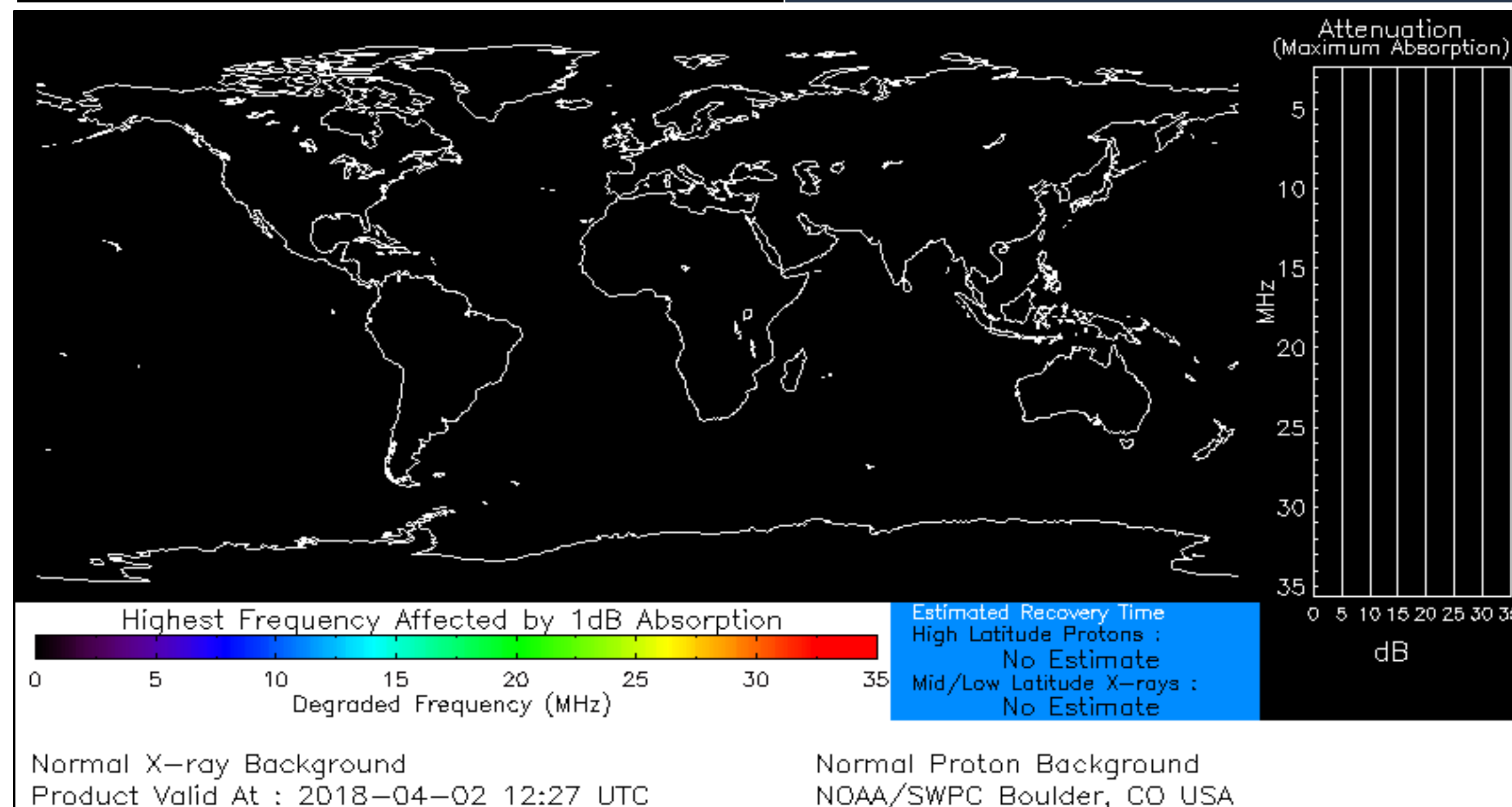


# Space Weather 3-Day Forecast



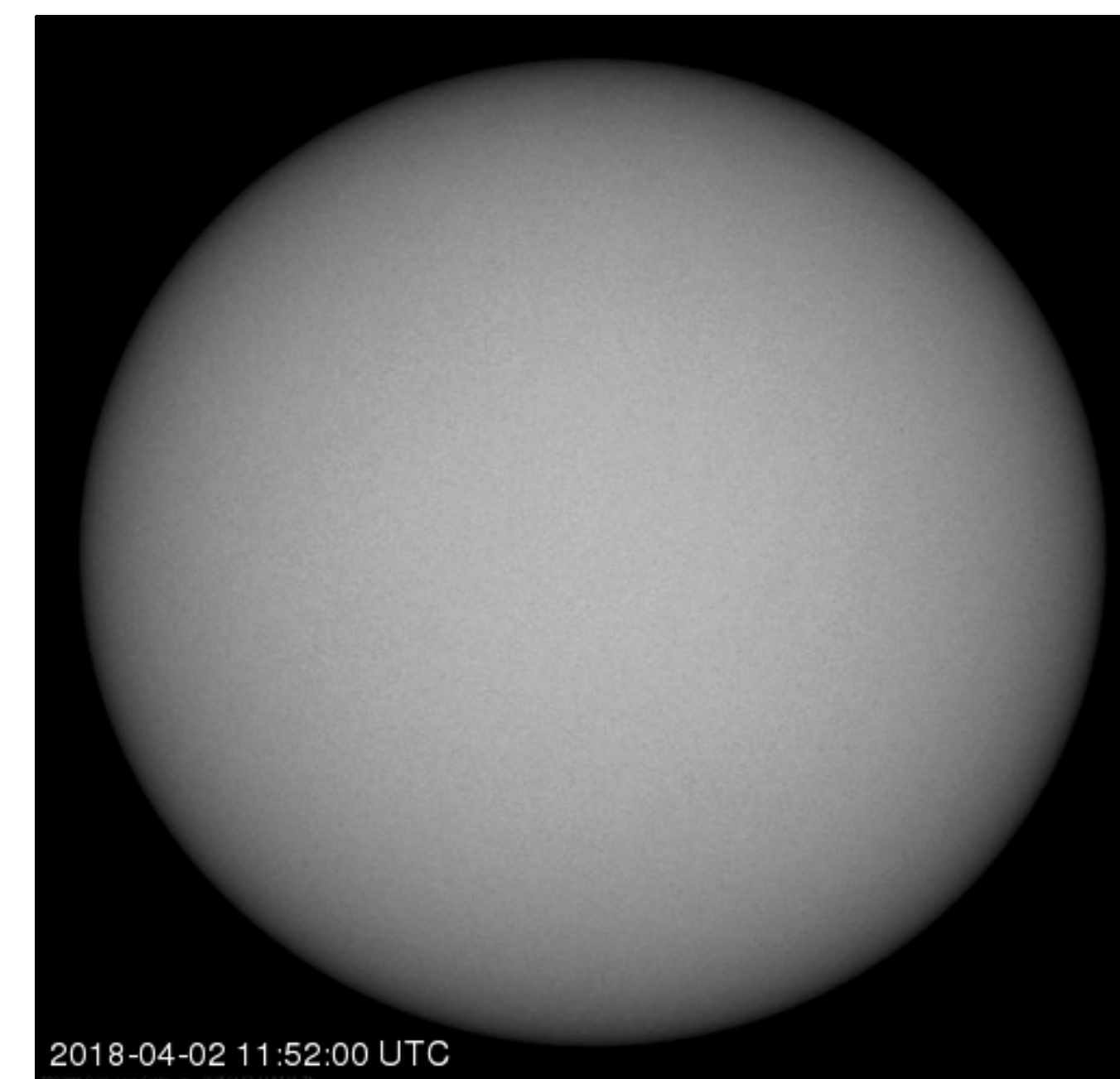
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	Monday	Tuesday	Wednesday
<b>Geomagnetic Storms</b>	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







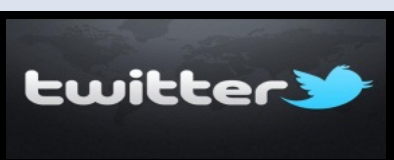
# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>







Weather “Threat” Matrix

Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

The criteria for the color codes in our briefings is to the left, please provide any feedback to [sr-rh.roc@noaa.gov](mailto:sr-rh.roc@noaa.gov).